

3.600 St. Louis County
West Lake Sanitary Landfill

October 18, 1983

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Mr. William J. McCullough, President
West Lake Landfill Incorporated
13570 St. Charles Rock Road
Bridgeton, Missouri 63044

OCT 20 1983

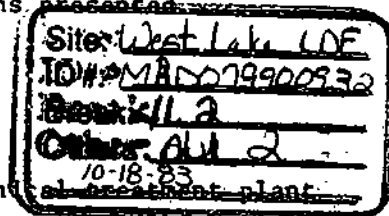
**WASTE
MANAGEMENT PROGRAM**

Dear Mr. McCullough:

An annual inspection was made of the condition and operation of the West Lake, Incorporated Sanitary Landfill, St. Louis County, Missouri, on August 30, 1983. The recommendations contained in this report are based on the findings made at the time of the investigation. I trust that you will direct your attention to these findings and that you will proceed to carry out the recommendations presented.

FINDINGS:

1. Operations were generally satisfactory.
2. The main leachate collection well and mechanical pretreatment plant were shut down.
3. Additional work is needed to complete closure of all previous landfill sectors.



DISCUSSION:

It is imperative that all components of the leachate collection/treatment system be kept fully operational at all times. The operator assured the inspector that the mechanical plant would be returned to service later the same day of the site visit, and the pump re-activated in the main well.

Leachate seepage was again observed to be occurring near the toe of the current landfill situated in the quarry pit. This material continues to encroach upon the 'uncontaminated' stormwater ponded on the floor of the active quarry. At the time of inspection the placement of berms and portable pumps appeared to be successfully separating the two distinct water zones. Contaminated water collected in the quarry floor 'sump' is pumped to the lined leachate holding impoundment, and eventually routed through the pretreatment system prior to discharge to MSD sewer. Clean stormwater is pumped through the make-up water basin at the ready-mix concrete plant and discharged off the West Lake property under NPDES permit. The operator is again advised to take the steps necessary to eliminate this leachate seepage at the source by maintaining the established collection/treatment system as previously described.

MISSOURI DEPARTMENT OF NATURAL RESOURCES
8460 Watson Road St. Louis, Missouri 63119 (314) 849-1313

Christopher S. Bond Governor
Fred A. Laiser Director
St. Louis Regional Office

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SUPERFUND RECORDS

DNR 0075

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The operator continues to make improvements to the older landfill sectors in terms of final cover, grading and seeding. This process must continue until closure of the entire landfill is judged to be complete.

RECOMMENDATIONS:

1. Maintain all components of the leachate control system in proper working order at all times.
2. Continue work to complete closure/final restoration of all landfill areas covered by Missouri Department of Natural Resources permit(s).

Should you have any questions concerning this report, contact Mike Duvall at the St. Louis Regional Office.

APPROVED:



F. Donald Maddox, P.E.
Regional Administrator
St. Louis Regional Office

PREPARED BY:



Mike Duvall
Chief, Waste Management Unit
St. Louis Regional Office

FDM/MD/jk

cc West Lake, Incorporated, Route 1, Box 206, Bridgeton, Missouri 63042
City of Bridgeton
St. Louis County Department of Health
Reitz and Jens
Central Office, Waste Management Program

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY

Annual Inspection ☒
Reinspection ☐

SANITARY LANDFILL SURVEILLANCE RECORD

Date: 8-30-83 Days/Week Open: 6

Name of Sanitary Landfill: West Lake, Inc.

Permit No: 118903, 906, 908, 909 County: St. Louis

Owner: West Lake, Inc. Operator: Vernon Feltz, manager

Address: Rte. 1, Box 206 Address: 13570 St. Charles Rock Rd.

Bridgeton, MO 63042 < "

(314) 739 1122 < "

I. Special Conditions and Approved Modifications

A. Are there any special conditions or approved modifications of the satisfactory compliance subsections of the rules and regulations? (e.g. impermeable barrier, limited excavation, exceptions to daily cover requirements)
X Yes No

B. Is the sanitary landfill operation in compliance with the special conditions or approved modifications? (If "No," describe violations under "REMARKS.")
X Yes No

II. Check Types of Waste Accepted

| | INDICATED ON PERMIT APPLICATION | REPORTED BY OPERATOR | AS OBSERVED |
|---|------------------------------------|-------------------------|-------------|
| Municipal solid waste | <u>X</u> | <u>X</u> | <u>X</u> |
| Bulky waste | | | |
| Dead animals | | | |
| Incinerator residue | | | |
| Demolition and construction waste | <u>X</u> | <u>X</u> | <u>X</u> |
| Brush and untreated wood waste | <u>X</u> | <u>X</u> | <u>X</u> |
| Septic tank pumpings | | | |
| Wastewater treatment plant sludge | | | |
| OTHER SLUDGES (SPECIFY) | | | |
| LIQUIDS (SPECIFY) - <u>water & other WWTP residue - spec. waste</u> | <u>X</u> | <u>X</u> | |
| - <u>Morganito / St. Peters WWTP filter cake</u> | <u>X</u> | <u>X</u> | |
| INDUSTRIAL PROCESS WASTES (SPECIFY) | | | |
| HAZARDOUS WASTES (SPECIFY) | | | |
| OTHER WASTES (SPECIFY) | | | |

III. Remaining Life of Landfill

A. Estimated amount of solid waste coming through gate.
Compacted loads 13,000 yds/wk tons/wk
Noncompacted loads yds/wk tons/wk

B. Estimated volume of remaining landfill covered by approved engineering plans.
 acre feet 2 years

INSPECTION FORM
DISTRIBUTION LIST

Owner X
Operator X
City Bridgeton
County St. Louis
Consulting Engineer Reitz & Jene
Solid Waste Program X
Regional Office File X
Others

IV. Satisfactory Compliance Subsections Regulations 80-3.010

Check all subsections: SAT — Satisfactory; UNS — Unsatisfactory. (If necessary describe "UNS" violations under "Remarks.")

| SUBSECTION NUMBER | SATISFACTORY COMPLIANCE OPERATING PROCEDURE | SAT | UNS |
|---------------------------------|--|-----|-----|
| (2) SOLID WASTE ACCEPTED | | | |
| (2)(C)2 | Bulky solid waste crushed on solid ground and pushed onto working face near bottom of the cell. | X | |
| (2)(C)3 | Small dead animals covered immediately with soil or solid waste. Large dead animals placed in pit and covered with four feet compacted soil. | X | |
| (2)(C)4 | Disposal of dewatered sludges on working face along with municipal solid waste. | X | |
| (2)(C)5 | Incinerator and air pollution control residues prevented from becoming airborne. | X | |
| (3) SOLID WASTE EXCLUDED | | | |
| (3)(C)1 | No unpermitted waste accepted. | X | |
| (3)(C)2 | Sign posted at entrance listing excluded wastes. | X | |
| (4) SITE SELECTION | | | |
| (4)(C)1 | Site accessible in all weather conditions. Temporary roads provided for delivery to working face. | X | |
| (6) WATER QUALITY | | | |
| (6)(C)1 | Surface water courses and runoff properly diverted from the landfill. Sanitary landfill construction and grading to promote rapid surface water runoff without excessive erosion. | | X |
| (6)(C)2 | Leachate collection and treatment systems utilized where necessary to protect ground and surface water resources. | | X |
| (6)(C)3 | No ground or surface water in contact with solid waste. | | X |
| (7) AIR QUALITY | | | |
| (7)(C) | No open burning without written permission of the proper air pollution agency and the Division. | X | |
| (8) GAS CONTROL | | | |
| (8)(C) | Implementing decomposition gas control plan as necessary to prevent problems. | X | |
| (9) VECTORS | | | |
| (9)(C) | Vector control programs implemented when necessary to prevent or rectify vector problems. | X | |
| (10) AESTHETICS | | | |
| (10)(C)1 | Litter control devices utilized near working face and elsewhere as needed. Litter collected from fences, and the ground surface, and incorporated into the daily cell at the end of each day or containerized. | X | |
| (10)(C)2 | Wastes easily moved by wind covered as necessary to prevent their becoming airborne and scattered. | X | |
| (10)(C)3 | On-site vegetation and natural windbreaks being utilized to improve appearance and operation of the sanitary landfill. | X | |

| SUBSECTION NUMBER | SATISFACTORY COMPLIANCE OPERATING PROCEDURE | SAT | UNS |
|------------------------------------|---|-----|-----|
| (10) AESTHETICS (Continued) | | | |
| (10)(C)4 | Salvaged materials removed daily or stored in aesthetically acceptable containers or enclosures. | X | |
| (11) COVER MATERIAL | | | |
| (11)(C)1 | Daily cover applied regardless of weather in not less than a six inch layer. Cover material available in all weather conditions. | X | |
| (11)(C)2 | Intermediate cover applied to all areas idle for more than 60 days in a layer not less than one foot after compaction. | X | |
| (11)(C)3 | Final cover applied on each area as completed in a layer not less than two feet after compaction. | | X |
| (12) COMPACTION | | | |
| (12)(C)1 | Adequate equipment on-site, operated daily. | X | |
| (12)(C)1A | Solid waste spread in layers not to exceed two feet and confined to smallest practical area. | X | |
| (12)(C)1B | Wastes compacted to smallest practical volume. | X | |
| (12)(C)1C | Cover material compacted as much as practical. | X | |
| (12)(C)2 | Preventive maintenance performed. | X | |
| (12)(C)3 | Daily task operating manual provided. | X | |
| (13) SAFETY | | | |
| (13)(C)1 | Fire extinguishers provided on oil equipment. | X | |
| (13)(C)2 | Provisions for extinguishing fires in waste, equipment, and structures. | X | |
| (13)(C)3 | Communication equipment available. | X | |
| (13)(C)4 | Scavenging prohibited. | X | |
| (13)(C)5 | Controlled access to site by established roadways and limited to hours when operating personnel are on duty. | X | |
| (13)(C)6 | Traffic controlled and directed to designated disposing points. | X | |
| (13)(C)7 | Site dust controlled for safety purposes and to prevent nuisances. | X | |
| (14) RECORDS | | | |
| (14)(C)1A | Records of major problems and complaints. | X | |
| (14)(C)1B | Monitoring record maintained. a. leachate sampling and analyses. b. gas sampling and analyses. c. ground and surface water analyses. | X | |
| (14)(C)1C | Records of vector control efforts. | X | |
| (14)(C)1D | Records of dust and litter control efforts. | X | |
| (14)(C)1E | Records of quantity of waste handled. | X | |
| (14)(C)1F | Records of description, sources, and volume of special wastes listed in Subsection (3)(A). | X | |

V. Operation Proceeding in Accordance with Approved Engineering Plans? (If "NO," describe violations under "Remarks.")

Yes

No

REMARKS - Main leachate collection/interceptor well pump shut down on day of inspection, as was mech. treatment plant.
- Leachate seepage continues to occur at toe of fill in quarry pit & encroach on uncontaminated stormwater ponded in active quarry zone.

(Attach additional sheets as necessary.)

BY Mike Dwa

SIGNATURE OF II

ATOR